PATENT COOPERATION TREATY

PCT

INTERNATIONAL PRELIMINARY REPORT ON PATENTABILITY

(Chapter II of the Patent Cooperation Treaty)

(PCT Article 36 and Rule 70)

Applicant's or agent's file reference							
P1166PCT	FOR FURTHER ACTION	See Form PCT/IPEA/416					
International application No.	International filing date (day/month/year)	Priority date (day/month/year)					
PCT/CH2004/000207	02.04.2004	03.04.2003					
International Patent Classification (IPC) or nation	onal classification and IPC						
Applicant							
CS ANALYTICS AG							
This report is the international prelin under Article 35 and transmitted to the							
2. This REPORT consists of a total of	_''	ing this cover sheet.					
3. This report is also accompanied by Al							
<u> </u>	to the International Bureau) a total of 2	sheets, as follows:					
a. La (sem to the applicant and		amended and are the basis for this report and/or					
		Rule 70.16 and Section 607 of the Administrative					
the disclosure in the	sheets which supersede earlier sheets, but which this Authority considers contain an amendment that goes beyond the disclosure in the international application as filed, as indicated in item 4 of Box No. I and the Supplemental						
Box.							
b (sent to the International s	Bureau only) a total of (indicate type and num	ber of electronic carrier(s))					
	, containing a sequence listing and/or tables						
	related thereto, in computer readable form only, as indicated in the Supplemental Box Relating to Sequence Listing (see Section 802 of the Administrative Instructions).						
4. This report contains indications relations	ng to the following items:						
Box No. I Basis of the	report						
Box No. II Priority							
Box No. III Non-establi	shment of opinion with regard to novelty, inve	entive step and industrial applicability					
Box No. IV Lack of unit	ty of invention						
Box No. VI Certain doc							
Box No. VII Certain defe	Box No. VII Certain defects in the international application						
Box No. VIII Certain obs	Box No. VIII Certain observations on the international application						
Date of submission of the demand	Date of completion of	this report					
		-					
Name and mailing address of the IPEA/EP	Authorized officer						
Facsimile No.	Telephone No.						

Translation

INTERNATIONAL PRELIMINARY REPORT ON PATENTABILITY

International application No.
PCT/CH2004/000207

Box	No. I	Basis of the report			
1.		n regard to the language, this report is based on the internaticated under this item.	onal application in the language in	which it was filed, unless otherwise	
	This report is based on translations from the original language into the following language which is the language of a translation furnished for the purposes of:				
		international search (Rule 12.3 and 23.1(b))			
		publication of the international application (Rule 12.			
	337:4L	international preliminary examination (Rule 55.2 and		heats which have been firmished to the	
2.	With regard to the elements of the international application, this report is based on <i>(replacement sheets which have been furnished to the receiving Office in response to an invitation under Article 14 are referred to in this report as "originally filed" and are not annexed to this report):</i>				
	\mathbb{H}	the international application as originally filed/furnished			
		the description:			
		pages 1-5		as originally filed/furnished	
		pages*	received by this Authority on		
		pages*	received by this Authority on		
	\boxtimes	the claims:			
		nos. 1		as originally filed/furnished	
		nos.*	as amended (togethe	r with any statement) under Article 19	
		nos.*			
		nos.*			
	\square	the drawings:			
		sheets		as originally filed/furnished 01.12.2004 with letter	
		sheets* 1/2-2/2	received by this Authority on	of 29.11.2004	
		sheets*	received by this Authority on		
		a sequence listing and/or any related table(s) - see Supple	mental Box Relating to Sequence L	isting.	
3.		The amendments have resulted in the cancellation of:			
		the description, pages			
l		the claims, nos.		·	
		the sequence listing (specify):			
		any table(s) related to sequence listing (specify):			
4.		This report has been established as if (some of) the amer			
		they have been considered to go beyond the disclosure as the description, pages			
		the drawings, sheets/figs			
	the sequence listing (specify):				
	any table(s) related to sequence listing (specify):				
*	If it	tem 4 applies, some or all of those sheets may be marked "st	iperseded."		

INTERNATIONAL PRELIMINARY REPORT ON PATENTABILITY

International application No.
PCT/CH2004/000207

Box No. V Reasoned statement under Article 35(2) with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement				
1.	Statement			
	Novelty (N)	Claims	1	YES
		Claims		NO
	Inventive step (IS)	Claims		YES
		Claims	1	NO
	Industrial applicability (IA)	Claims	1	YES
		Claims		NO
l				

- 2. Citations and explanations (Rule 70.7)
 - 1. Independent claim 1
 - 1.1 D1 is considered the prior art closest to the subject matter of claim 1. D1 discloses (see the entire document) a rotation valve for high power liquid chromatography (HPLC)
 - with a stator (10) with connections (e.g. 14, 15) for solvent reservoirs, pumps, chromatography columns, etc., and holes leading from the connections to openings in a contact surface, and a disc-shaped rotor (11) with front-end connection grooves (12, 13) for the optional interconnection of various connections, wherein
 - the openings in the contact surface are distributed evenly across one circle and the connection grooves (12, 13) in the front face of the rotor are configured in the form of circular segments and are arranged such that, in defined rotor positions, three connections are simultaneously connected to one another

International application No.
PCT/CH2004/000207

Box No. V Reasoned statement under Article 35(2) with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement

(see also claim 1).

- 1.2 The subject matter of claim 1 differs from **D1** in that
 - the openings in the contact surface are distributed evenly across two concentric circles and that in defined rotor positions on each circle, five connections are simultaneously interconnected (see also claim 1).
- 1.3 These differentiating features appear, however, to be known measures lying within the scope of that which a person skilled in the art routinely does on the basis of familiar considerations. Depending on the task to be accomplished by the rotation valve, a person skilled in the art would therefore design the stator with as many concentric circles as necessary and would design the grooves on the rotor such that as many connections as necessary were simultaneously interconnected.
- 1.4 The subject matter of claim 1 does not therefore appear to involve an inventive step (PCT Article 33(3)).

International application No.

INTERNATIONAL PRELIMINARY REPORT ON PATENTABILITY	PCT/CH2004/000207			
Supplemental Box				
In case the space in any of the preceding boxes is not sufficient. Continuation of:				
Box I:				
D1: WO 02/12878 A (DOEBELIN WERNER) 14 F	ebruary 2002			
(2002-02-14)				
	·			